

FIG. 1

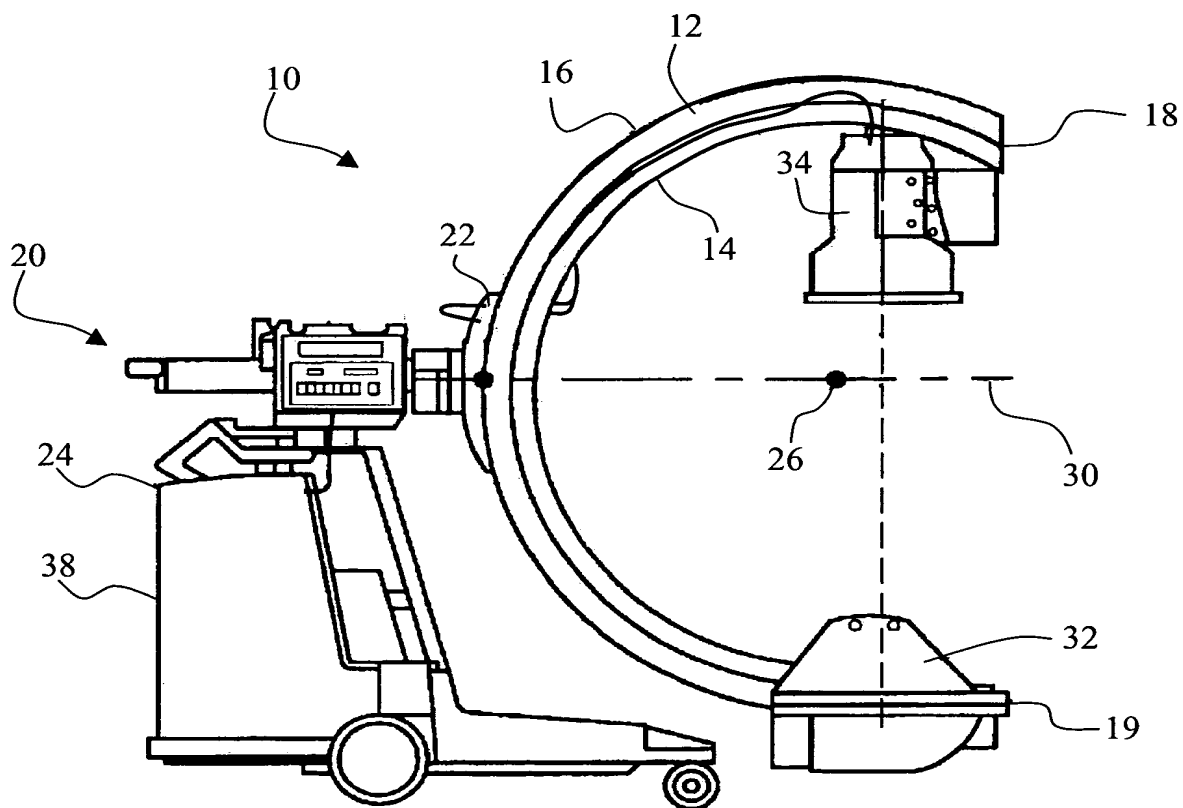
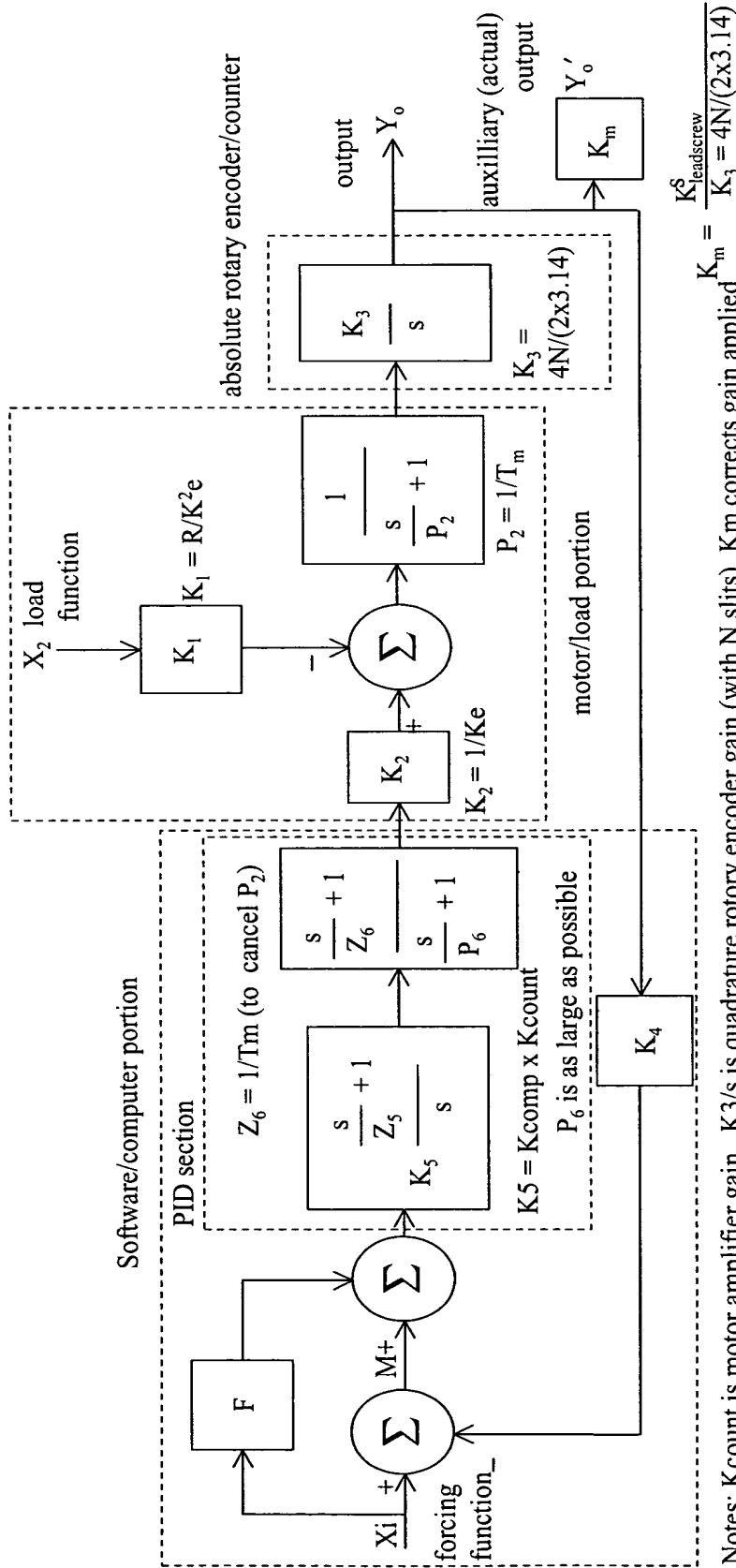


FIG. 2



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Notes: Kcount is motor amplifier gain. K_3/s is quadrature rotary encoder gain (with N slits), K_m corrects gain applied to the output via a lead screw. K_1 , K_2 & P_2 are motor parameters. Other values are chosen with programming.

FIG. 4

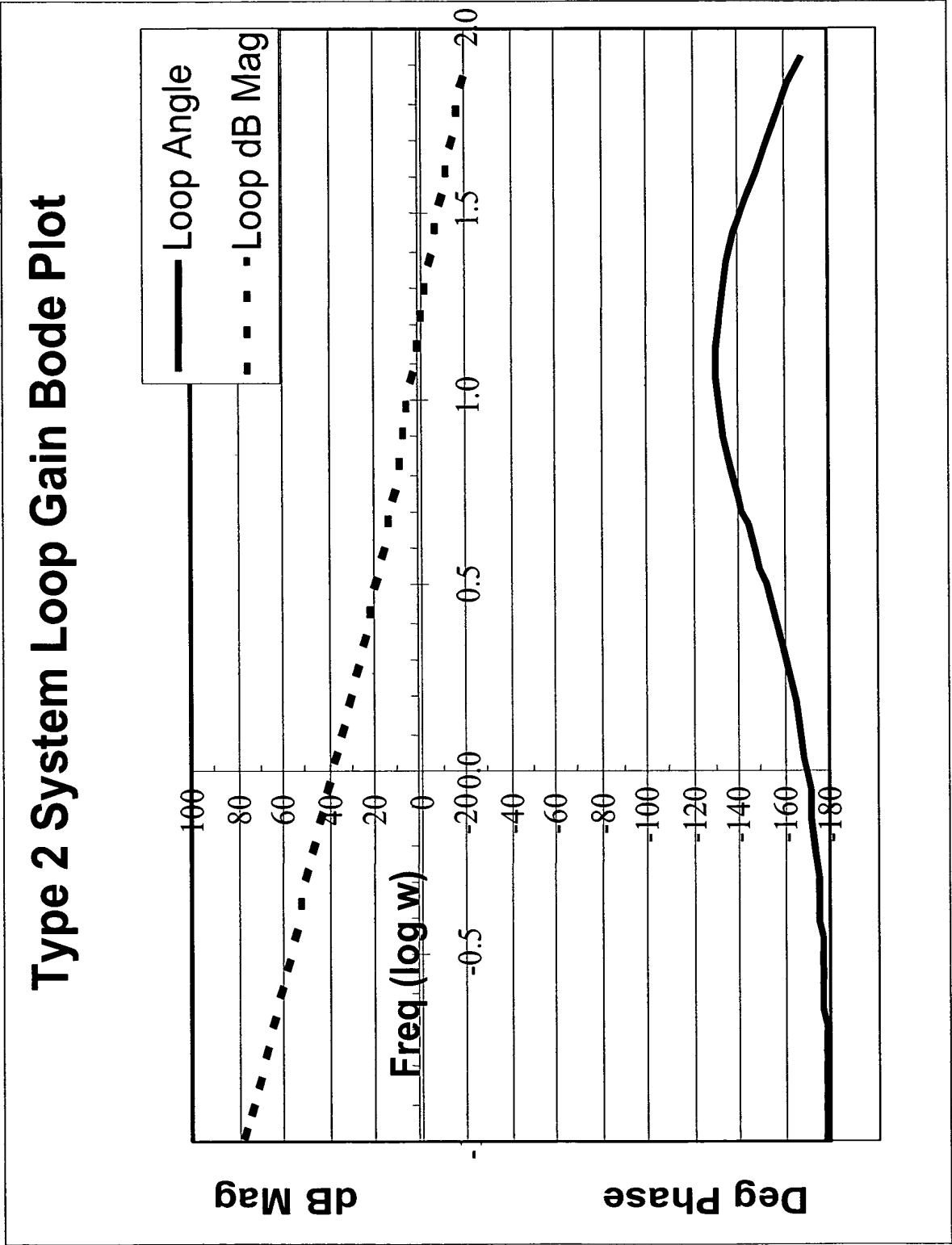


FIG. 5

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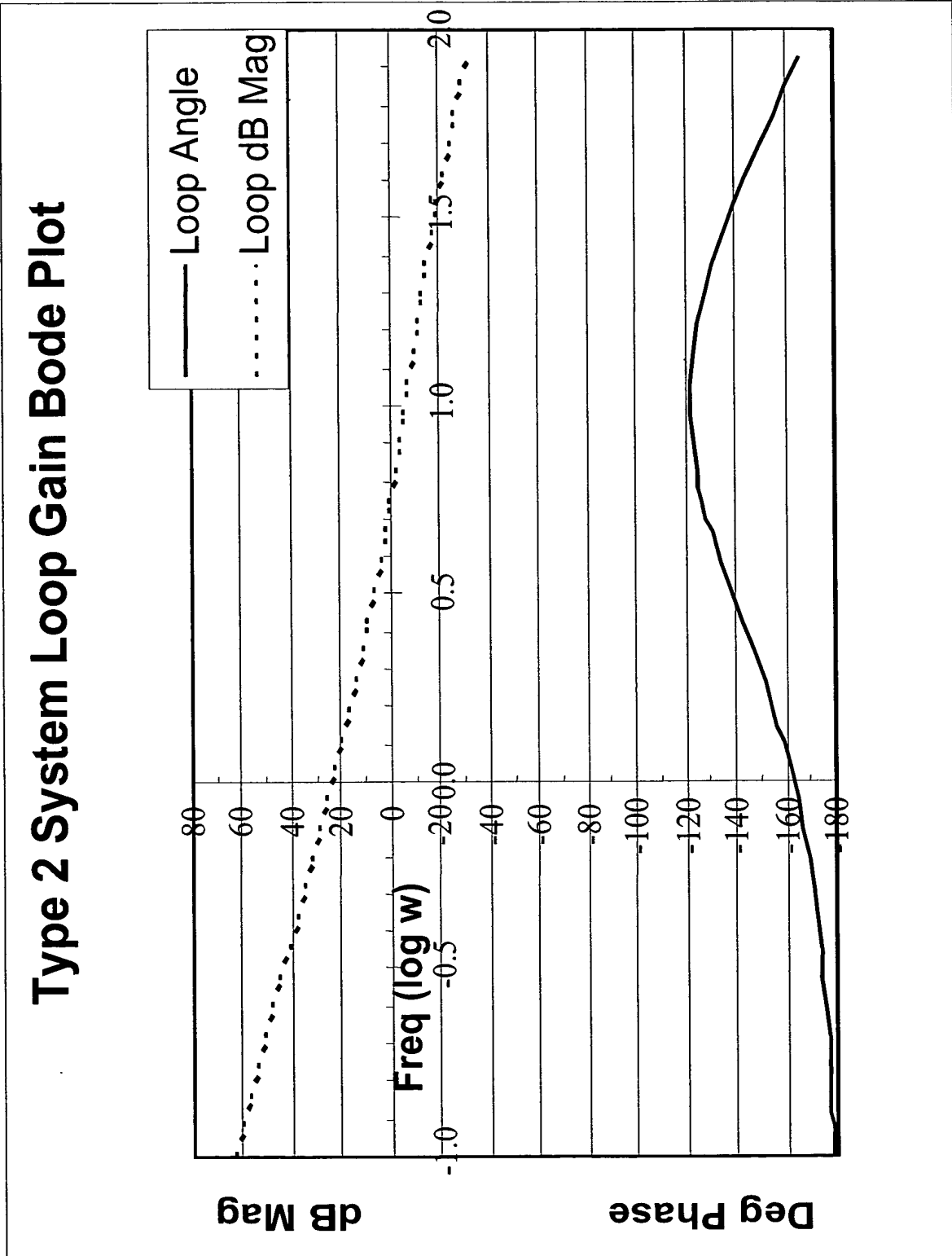


FIG. 6

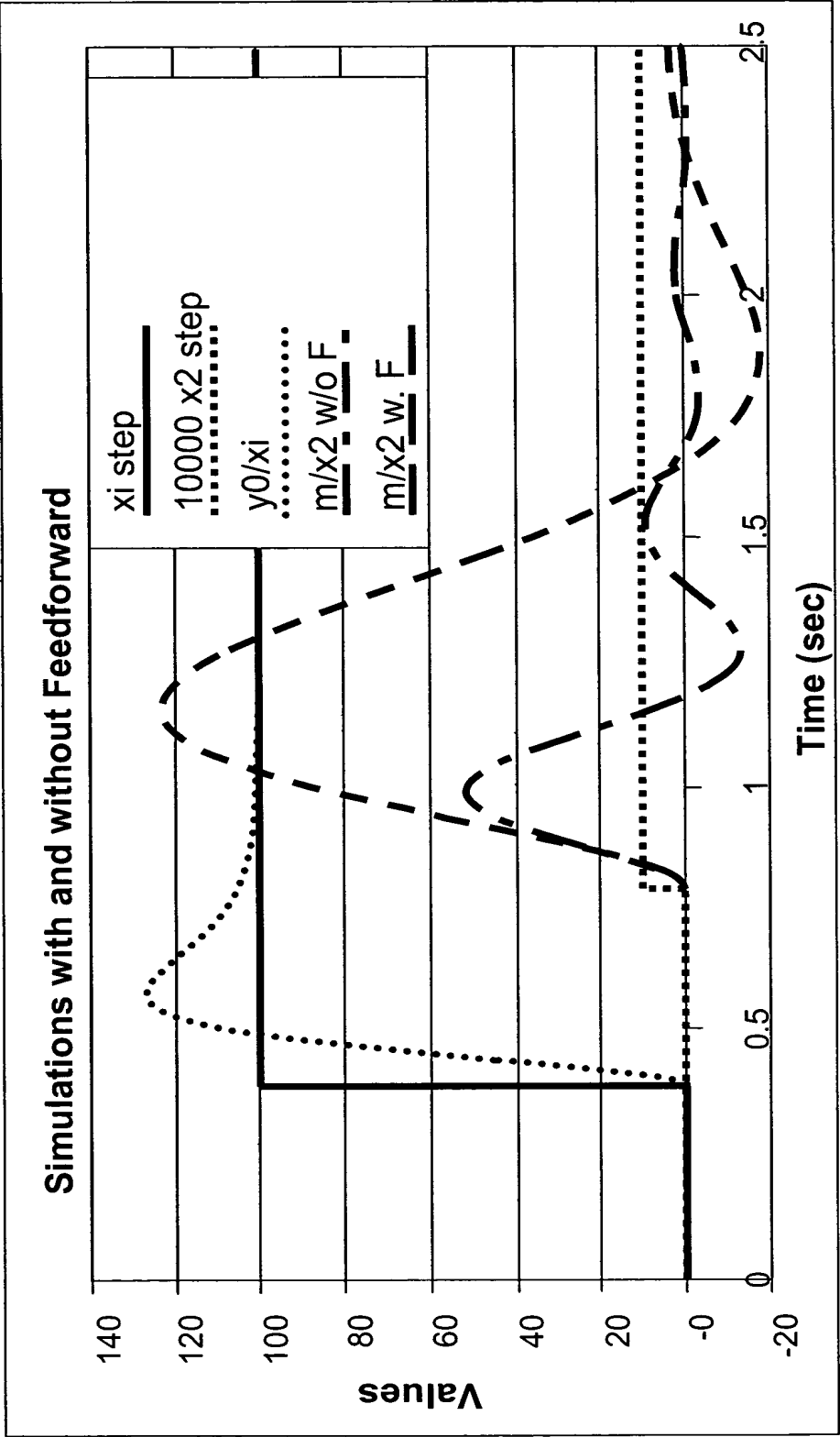


FIG. 7

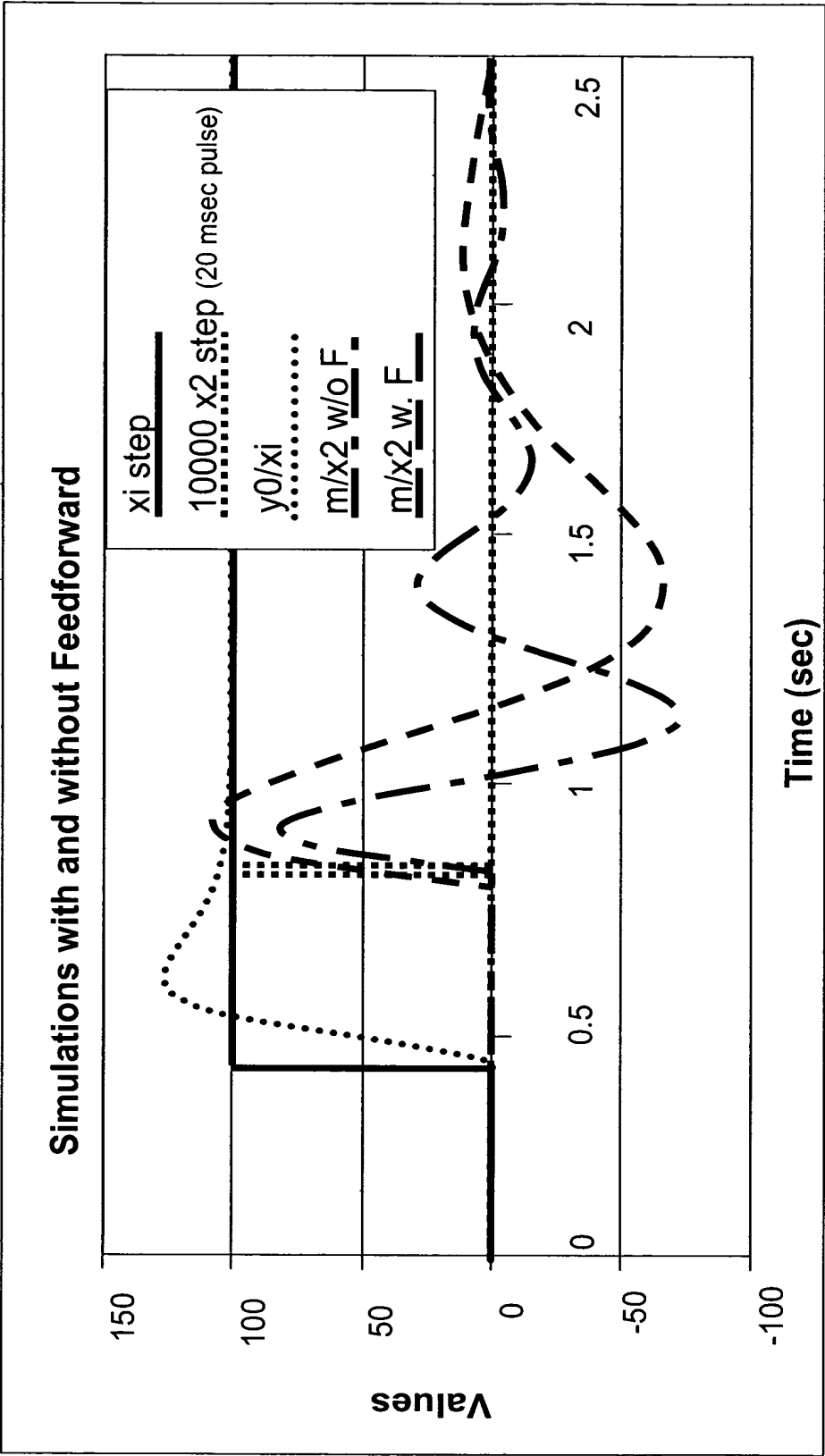


FIG. 8